

FIG. 1

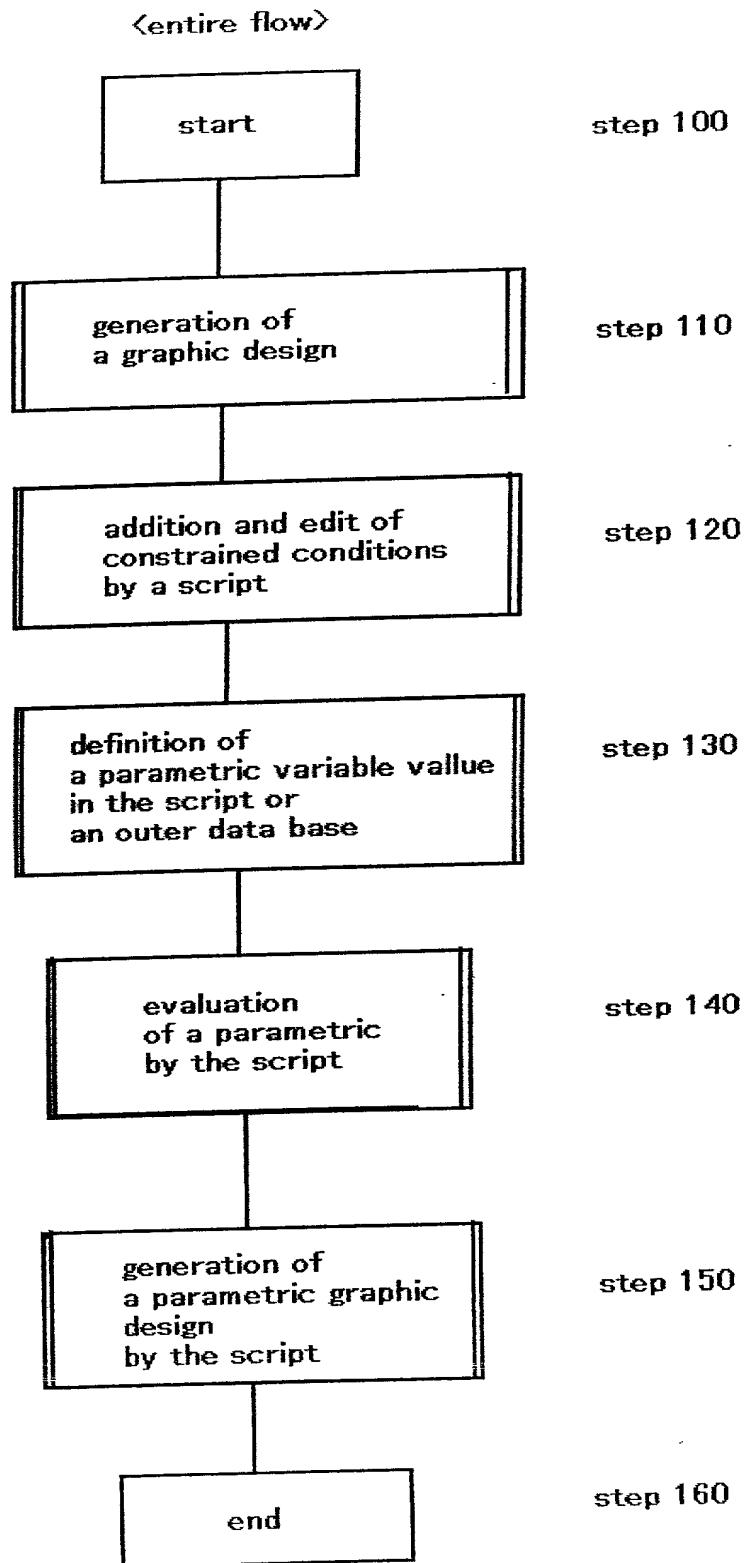
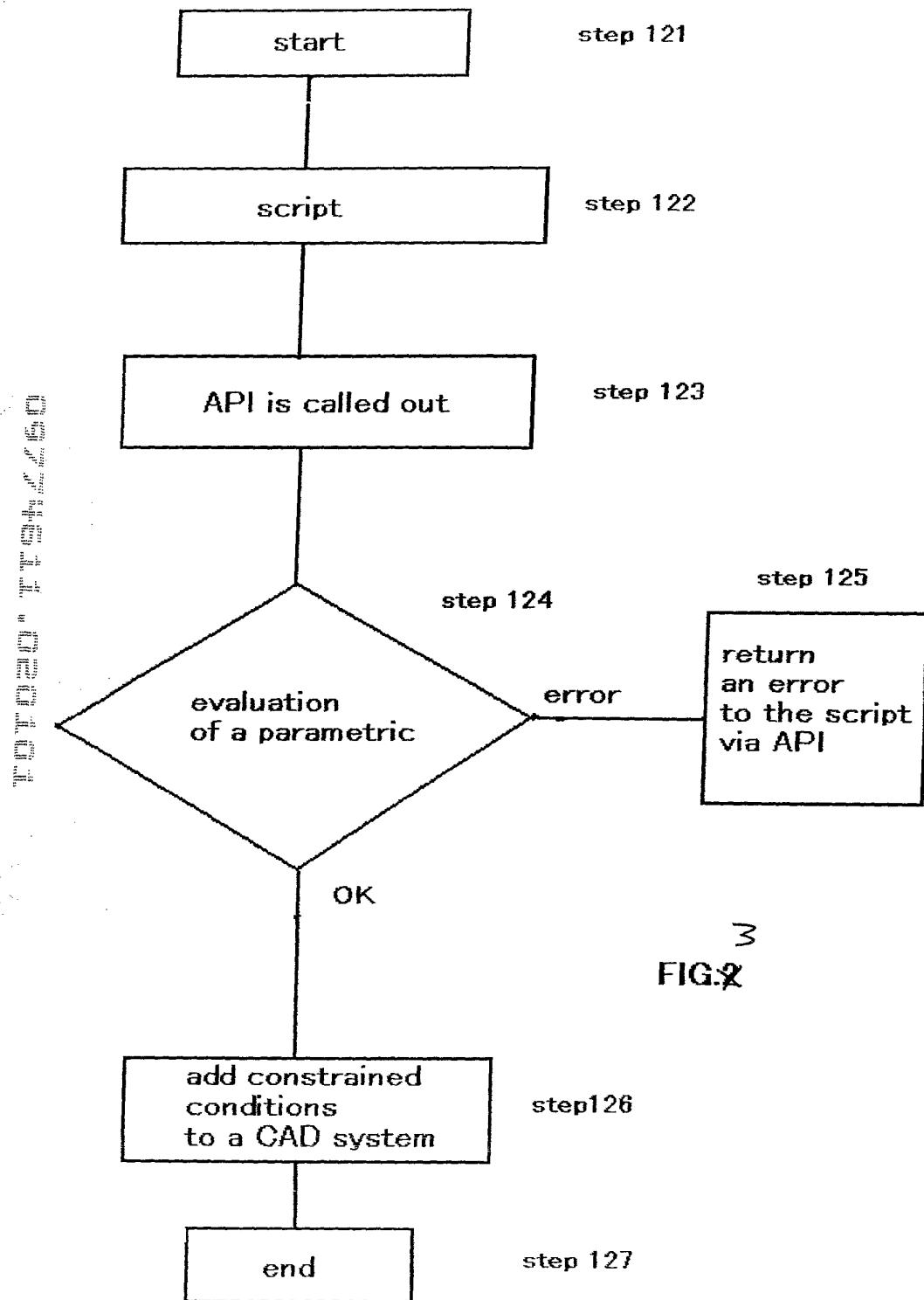


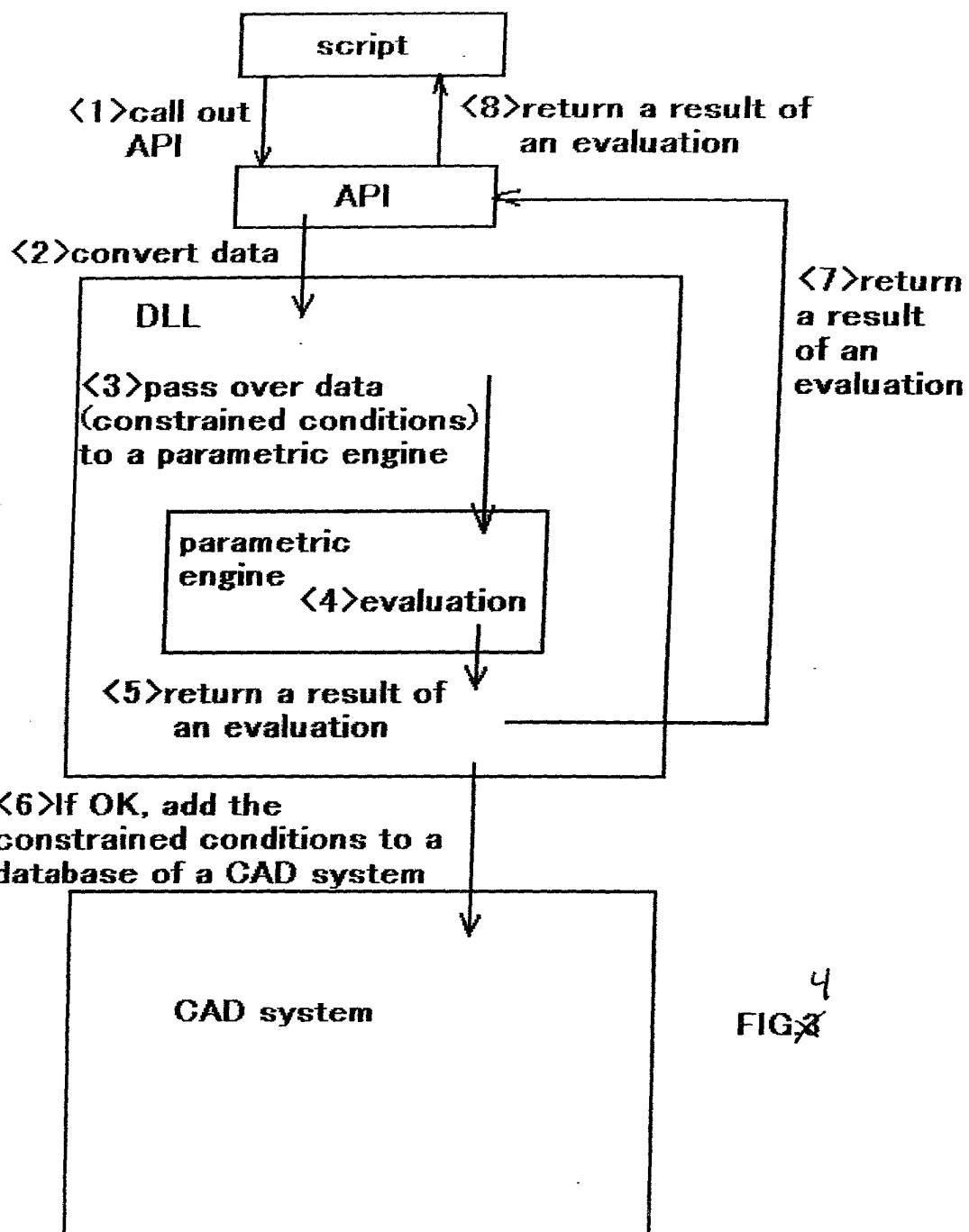
Fig. 2

<addition and edit of constrained conditions by a script>



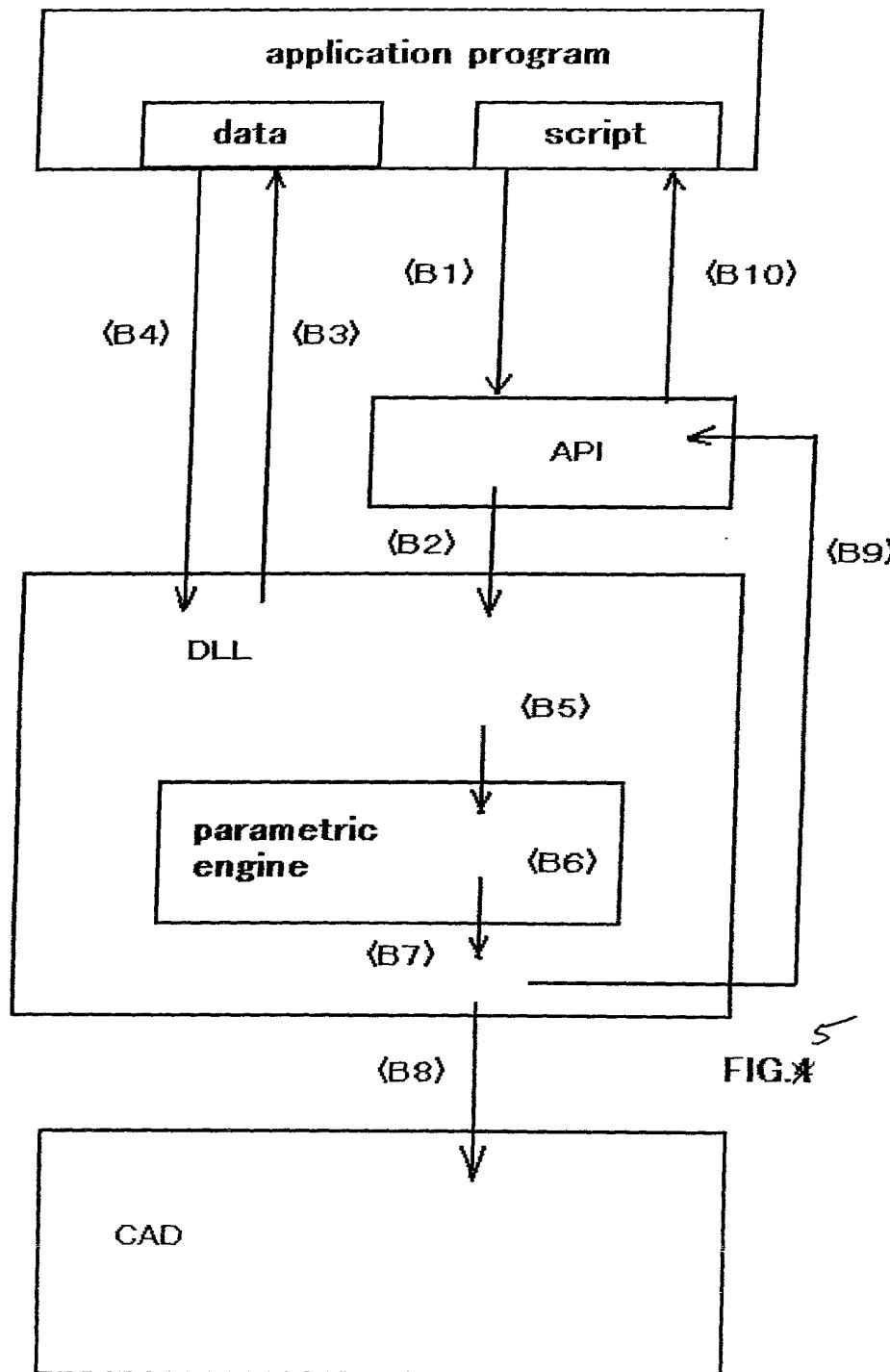
3
FIG.2

<data flow at the time of addition and edit of constrained conditions>



4
FIG. 4

〈data flow at the time of addition and edit of constrained conditions : B〉



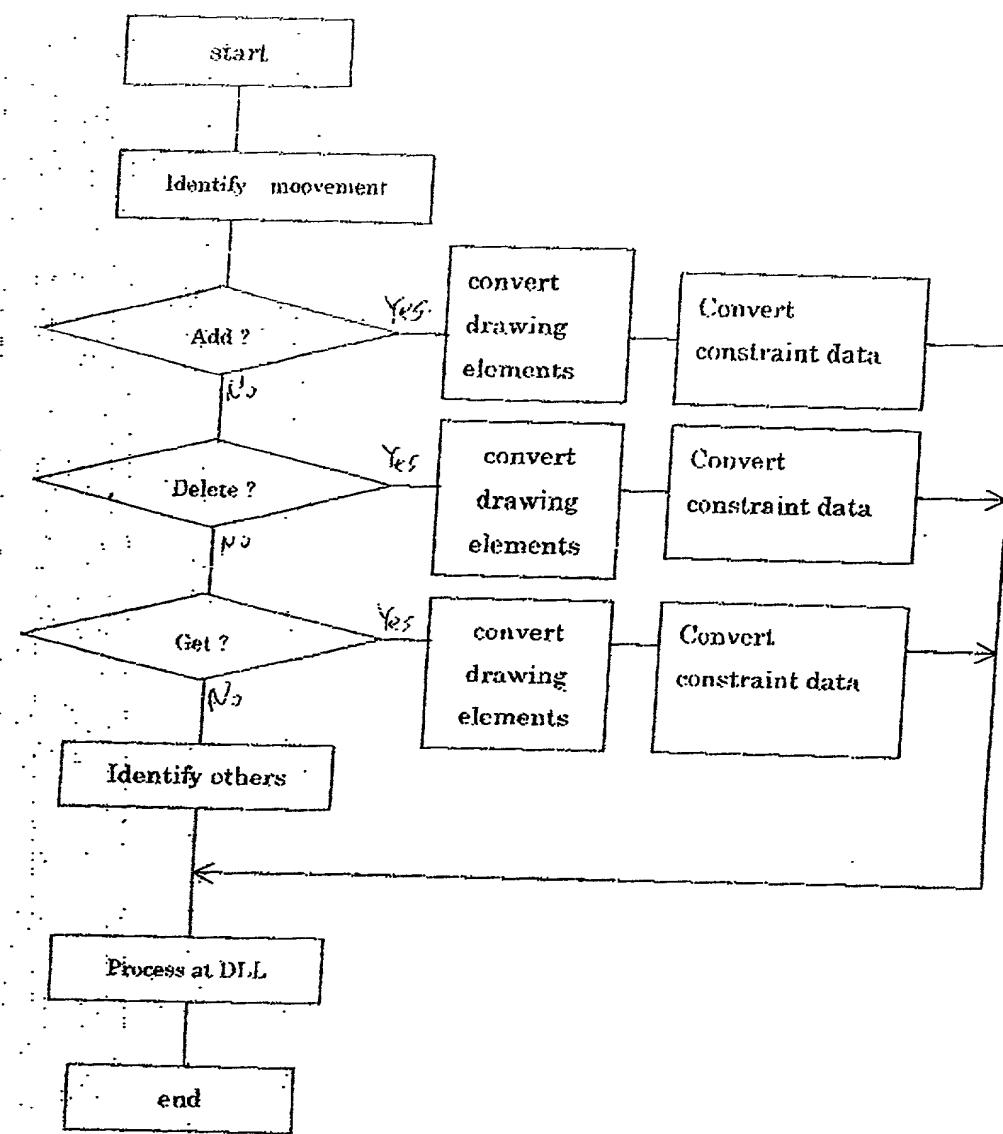


FIG. 6

'a sample of addition of constrained conditions

```
Function SampleAddConstrain()
    Dim aCircle As Object
    Dim aDimRadius As Object
    Dim PntCnt(2) As Double
    Dim PntCrd(2) As Double

    PntCnt(0) = 4
    PntCnt(1) = 0
    PntCnt(2) = 0
    PntCrd(0) = PntCnt(0) + 0.1
    PntCrd(1) = PntCnt(1)
    PntCrd(2) = PntCnt(2)

    Set aCircle = theModelSpace.AddCircle(PntCnt, 0.1)
    Set aDimRadius = theModelSpace.AddDimRadial(PntCnt, PntCrd, 1)

'constrain a size of a radius measure line into a variable A
    PcnAddValCnst1 aDimRadius.handle, 10, 1, 1, 0.1, "A", 0

'commonly constrain a center of a circle and a radius measure line
    PcnAddCnst2 aCircle.handle, aDimRadius.handle, 20, 5, 5

'constrain a size of a circle and a radius measure line in the same way
    PcnAddCnst2 aCircle.handle, aDimRadius.handle, 26, 1, 1

'add a variable A
    PcnAddCnstVar "A", "0.5"

End Function
```

7
FIG. 5

'an insert sample using DLL

```
Private Function Insert(fileName As String, paramStr As String)
    Dim insType As Long
    Dim optionSw As Long
    Dim insPntX As Double
    Dim insPntY As Double
    Dim insPntZ As Double
    Dim insScale As Double
    Dim insAngle As Double
    Dim ret As Long

    insPntX = 100#
    insPntY = 100#
    insPntZ = 0#
    insType = INSTYPE_EXPLODE
    insScale = 1#
    insAngle = 30#
    optionSw      =      OPTION_CURRENT_LAYER          Or
OPTION_REMOVE_DIMENSION
    ret = PgflInsertParts(fileName, insPntX, insPntY, insPntZ, insType,
    insScale, insAngle, optionSw, paramStr)
End Function

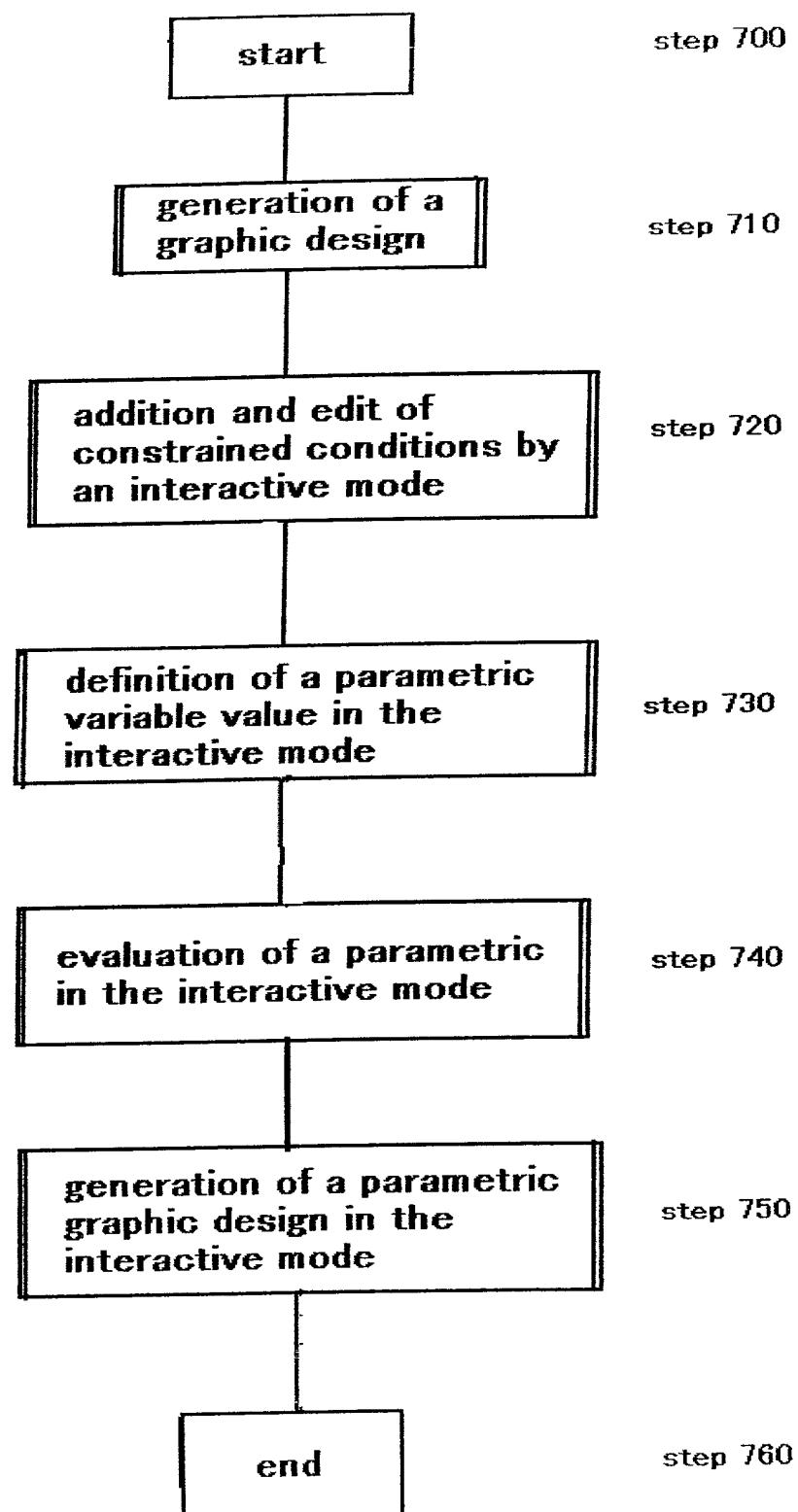
Private Function InsertPart(paramStr As String)
    Insert "sample\DLL\Insert\sample.dwg", paramStr
End Function

Sub VAL()
    InsertPart "VAL:WIDTH=50,HEIGHT=30,LENGTH=15"
End Sub

Sub EXCEL()
    InsertPart "EXCEL:sample\DLL_Insert\Book1.xls,sheet1,S1"
End Sub
```

FIG. 8

<prior art>



9
FIG. X

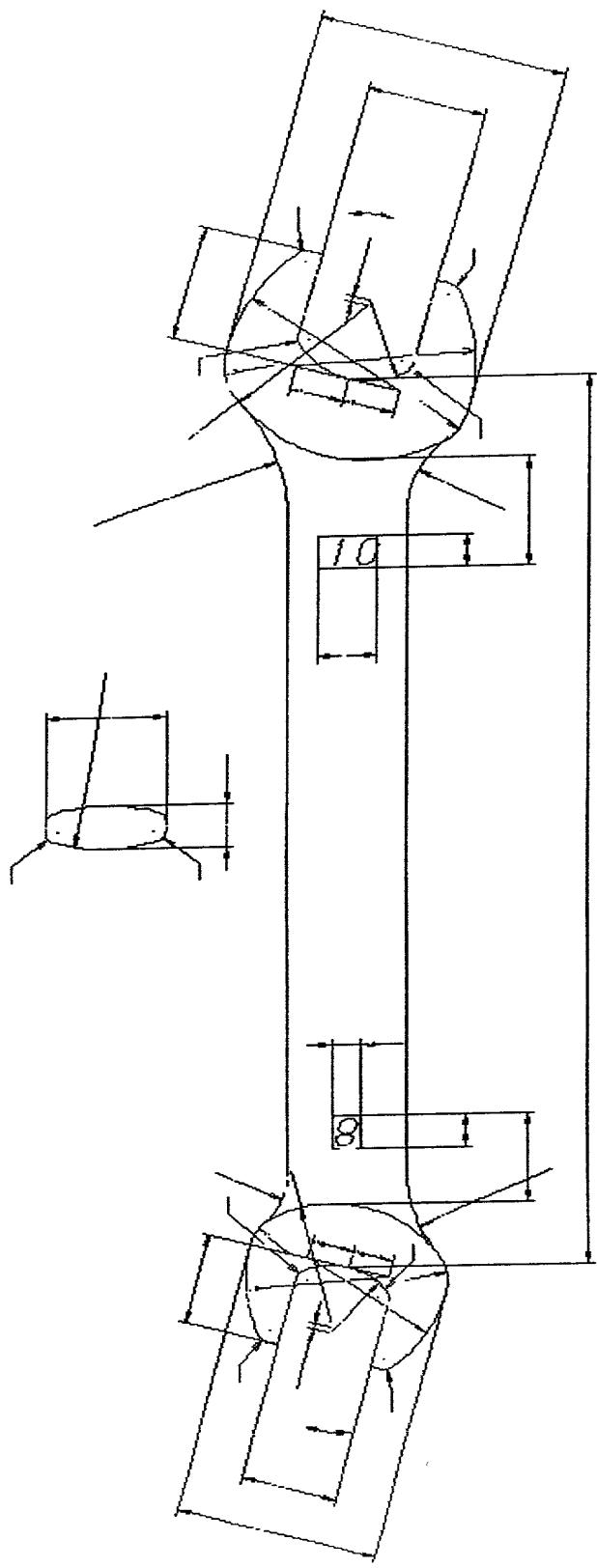


FIG. & 10